

Figure 1

Existing Source Code

```
class A;
class M;
class H;
class F;
...
// inside class F
pA = new A
...
(functions creating in-memory
structure of the classes)
...
```

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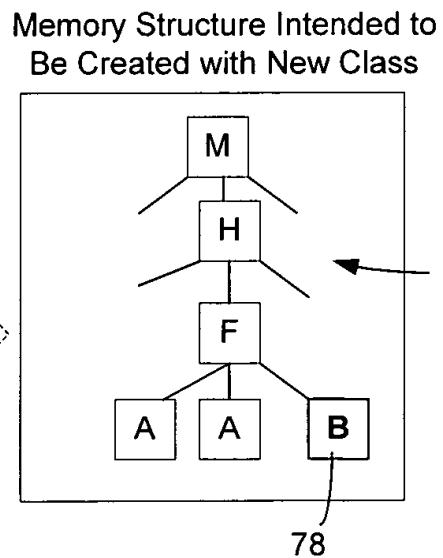
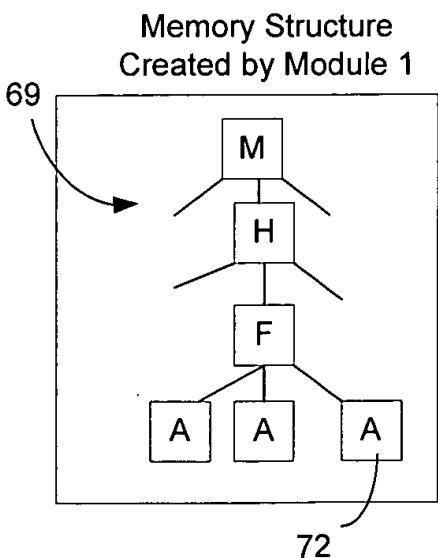
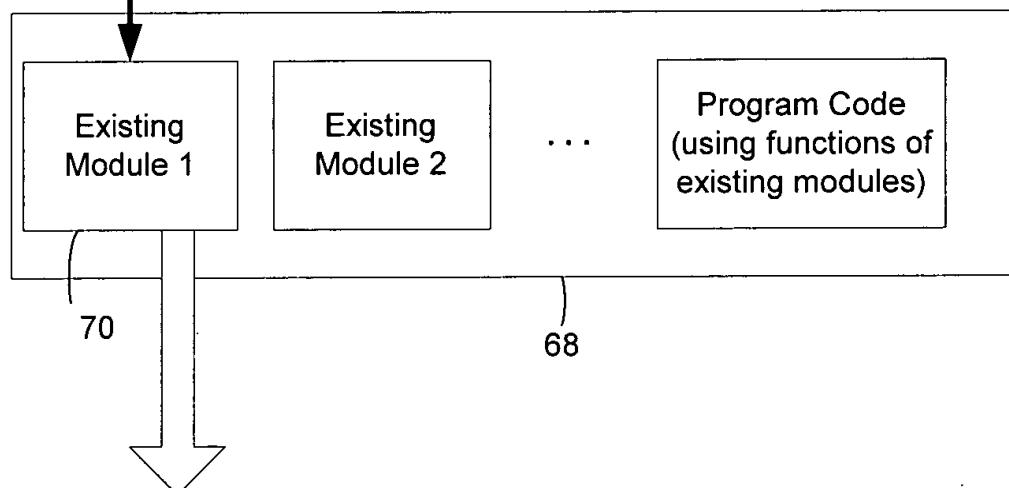


FIG. 2 (Prior Art)

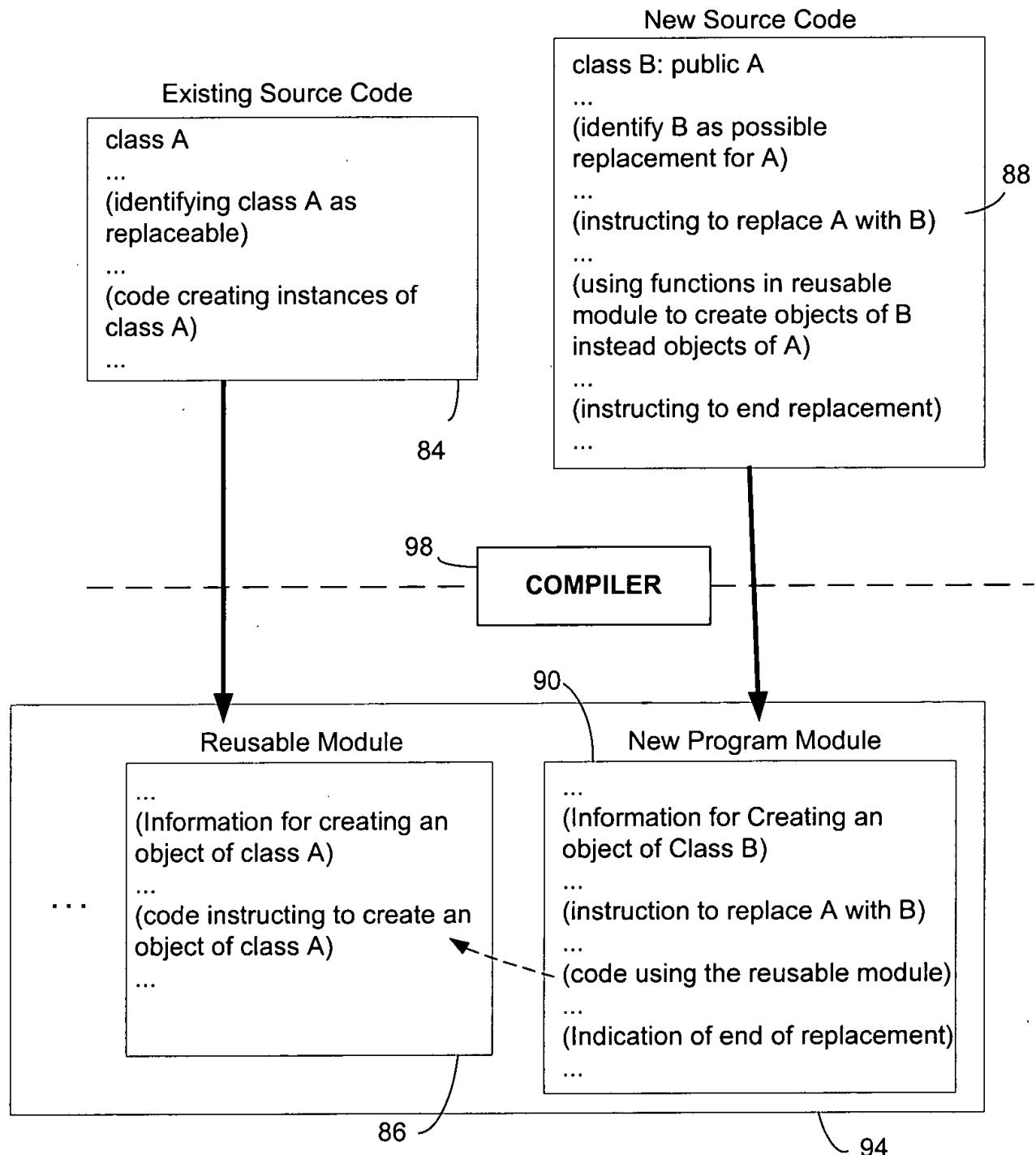


FIG. 3

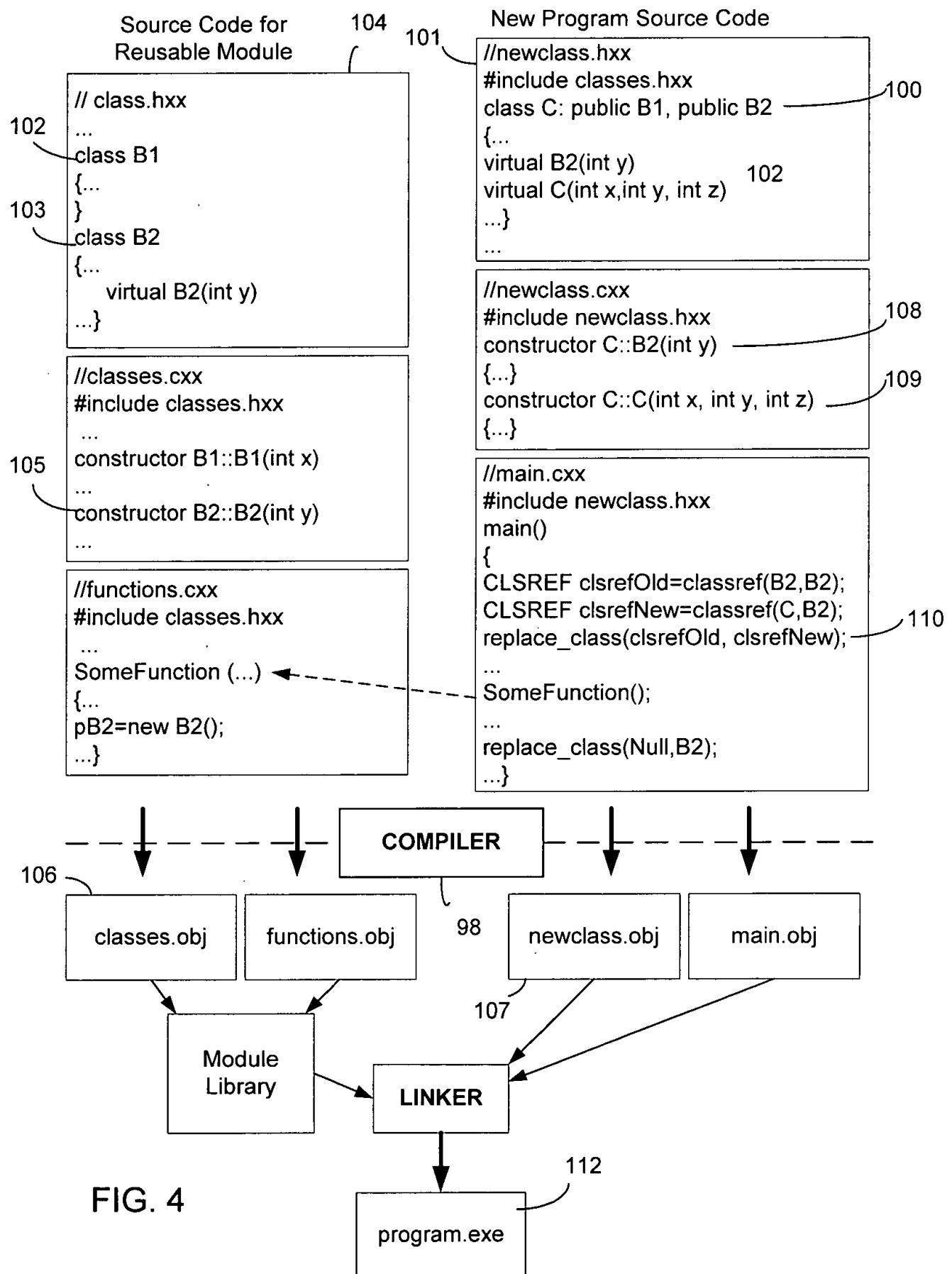


FIG. 4

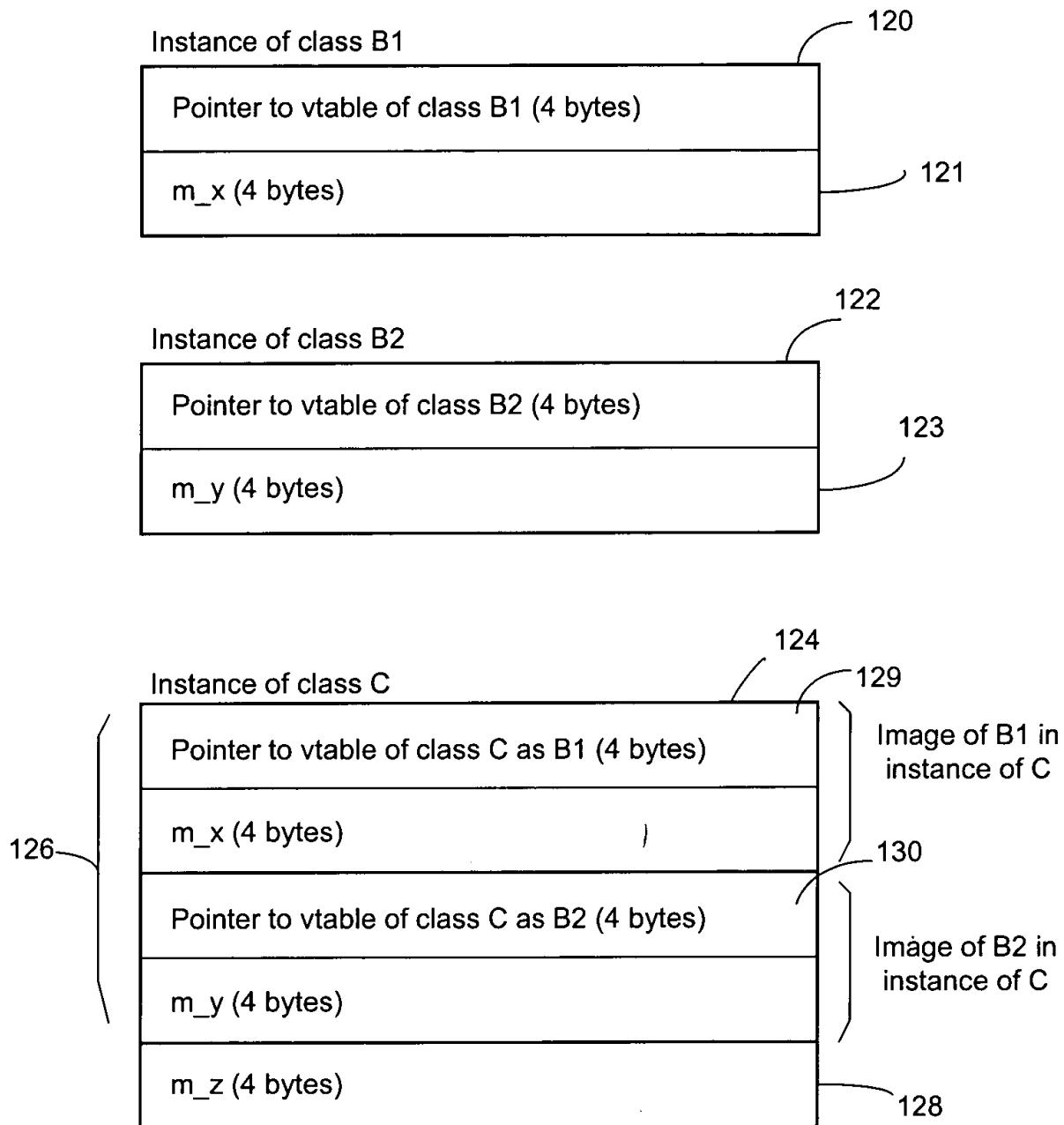


FIG. 5

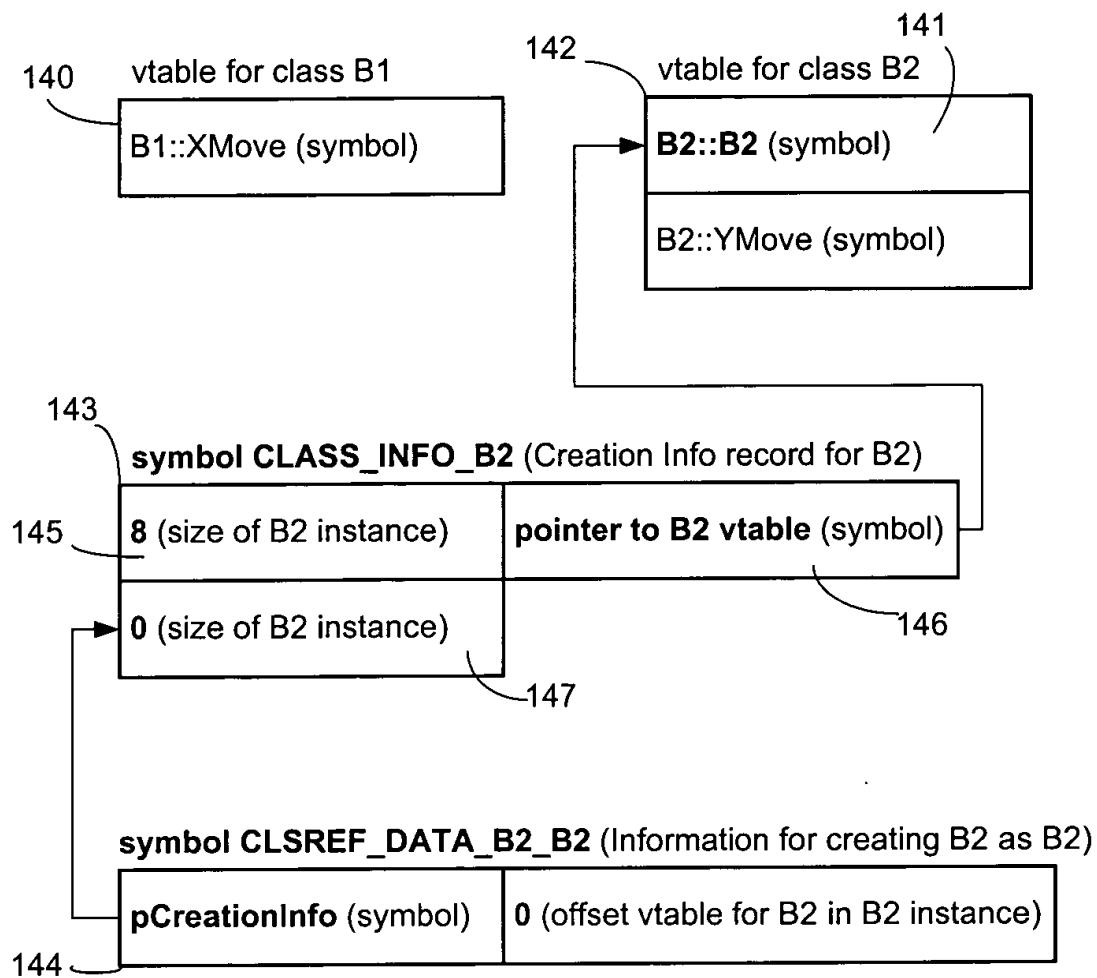


FIG. 6

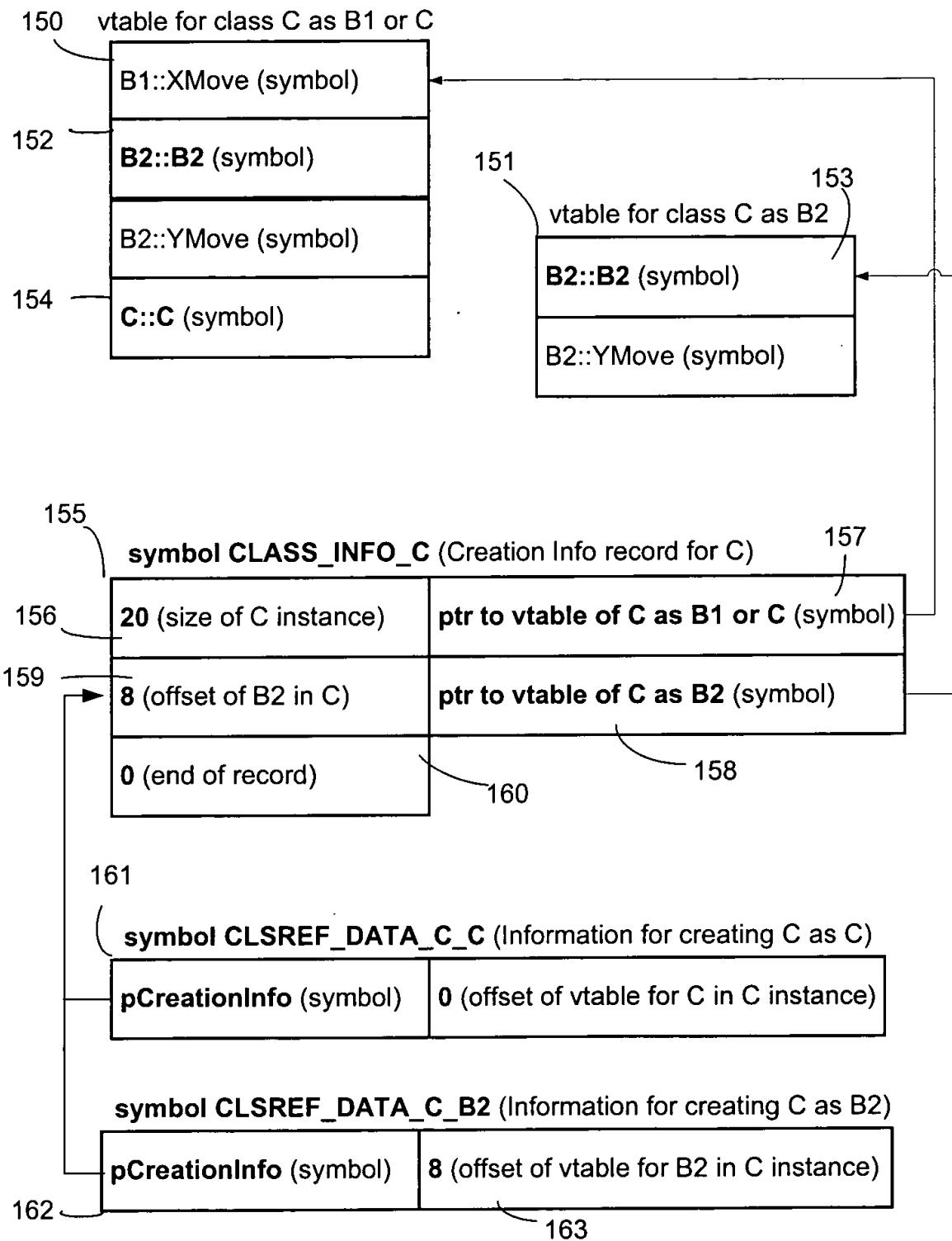
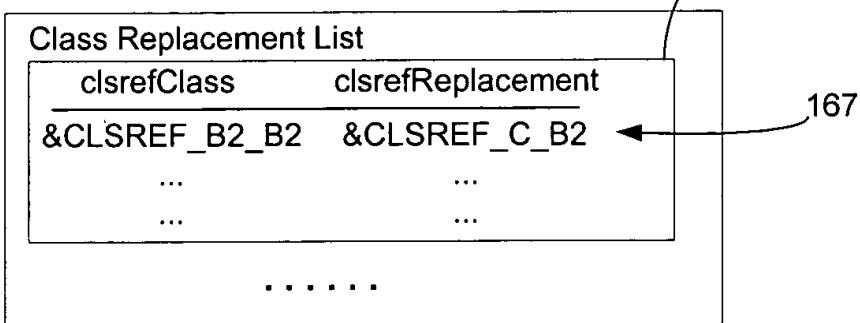


FIG. 7

Dynamic Memory For Thread 1



Dynamic Memory For Thread 2

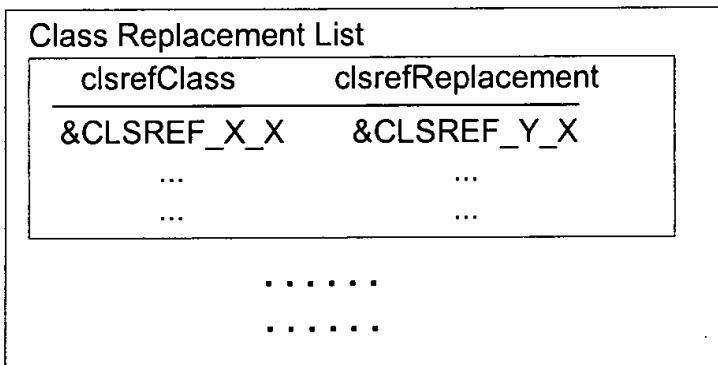


FIG. 8